Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No.35/17-18

Date... Dt.24.-1-2017/18

No.1 St & Final bill

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. SBR No.35/17-18 DATED 24-1-18 Dated Divisional Sub Divisional Cash Book Voucher No…….. Dated…….

Schedule Docket No. **Job Code :-007-17-000036**

D.R.No. : Head of Account :**P 0486**

Name of Work : upgradation and Improvements to hebbala Electrical Crematorium Furnace -1 in Ward no. 7 Yelahanka Zone. "

Name of Contractor and Full Address: Technical Manager KRIDL Bengaluru .

Reference to Agreement No:EE/Ele/YZ/WO/15 /17-18 Date:20/05/2017

Certified that the measurements were taken by me on 5/1/18 and recorded of Pages 311453 to 460 of measurement Book No. 3115/17-18 and that the work is satisfactorily executed.

Contractor EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

Officer-in-charge of work

Certified that the measurement were taken by me on 5/1/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Bill =	3897293=00
2) Deduct amount to be held in reserve being ……percent Rs……		
3) " Balance	IT 1% =	38973=00
4) Deduct Payment:	BGST 1% =	38973=00
a) Amount of previous payment as in the Office Cash Book Voucher	CGST 1% =	38973=00
No……Dated……S.D. No……	Amount	38973=00
adjusted towards cash advance recovery of	LWC 1% =	3897=00
	CBFO 1% =	38799=00 (Items Billed)
b) Payments Now made } cost store or other material supplied.	Secp 2% =	
recovery of amount creditable to this/other work	deductions =	248588=00
Amount paid on this bill Cheque / Cash.	Cheque =	36.48.705=00
5) Balance being unpaid value of work done held in reserve.		
6) Deduct cash advance made on the Office cash Book Voucher No…… dated……less adjustments.		
7) Net amount due to or from Contractor unadjustments items.		
8) Advance to Contractor for materials brought to site (as detailed) within.		
9) Value of Government materials supplied.		
Total amount adjusted -		

Contractor's Signature

Received Rs…… (in words)……

……

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

(For use in the Office)

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No……Dated……

Cash Rs……Dated……

Initials of Officer making payment

Stamp

EXECUTIVE ENGINEER-4 KRIDL, BBMP DIVISION BENGALURU-560 010

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ PDH86.mzR.to Burial.

ರೂ:3897293=00 ರಲ್ಲಿ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ:3648705=00 ರಲ್ಲಿ ನಿರ್ವಹಿಸಬೇಕಾಗಿದೆ

ರೂ:248588=00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

Executive Engineer

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl no	Description of item	Unit
	Name of Work :upgradation and Improvements to hebbala Kempapura Electrical Crematorium Furnace -No1 in Ward no. 7 Yelahanka Zone.	
1	Supplaying & Fixing of Coil holding bricks Vertical System 115X115X300 mm	Nos
2	Supplaying & Fixing of Insulation bricks std 75X115X225mm	Nos
3	Supplaying & Fixing of Refractor STD IS 6 75X115X225mm	Nos
4	Supplaying & Fixing of Refractor STD IS 8 75X115X225mm	Nos
5	Supplaying & Fixing of Refractor side arch bricks 230X115X75/65mm	Nos
6	Supplaying & Fixing of Refractoy slabs MCL 150X300X600mm	Nos
7	Supplaying & Fixing of Refractoy slabs MCL 150X300X450mm	Nos
8	Supplaying & Fixing of Body laying with MCL 150X300X600mm	Nos
9	Supplaying & Fixing of Refractor cement Fine ACC 50(50 kg bag)	Bags
10	Supplaying & Fixing of Refractor cement FIR crate super (50 kg bag)	Bags
11	Supplaying & Fixing of Refractoy cement white heat K Acc make	Bags
12	Supplaying & Fixing of Acoustic set liquid bind	drum
13	Supplaying & Fixing of FIBT blank kit 96 grade	Box
14	Supplaying & Fixing of FIBT blank kit 128 grade	Box
15	Supplaying & Fixing of SS Stud 304X250X10m	Nos
16	Supplaying & Fixing of FIR clay cement	Bags
17	Supplaying & Fixing of Refractoy slabs IS8 100X300X600mm	Nos
18	Supplaying & Fixing of Refractoy slabs IS8 100X300X450mm	Nos
19	Supplaying & Fixing of 3.5 KW Heating coils Made out of 5.8mm Thick 80/20 Grade nickel chromium wire, Heating Zone should be 950mm length, End terminal rod ss 304Grade 10mm dia 550mm Lenth suitable for Verticle mounting system in Electrical Furnace including Porcelin beeds spacers Supporting system Complet	Nos
20	Labour charges for Removing and relining works	job
21	Supplaying & Fixing of 25X4 mm coper flat For Coil connecting	kgs
22	Supplaying & Fixing of Epoxy insulators (bus bar mounting)	Nos
23	1) Furnace top fabrication works with MS angle and channel with covering sheets	job
24	2) Furnace main door work front sheet repalcement 5 mm thickness, guiding wheel (4 Nos) with shaft including bearing repalcement and mechanism servicing	Set
25	2) Furnace back door Ash removing doors Newly fabricated.	
26	3) Body charging trolley servicing and repair works	job
27	fabrication, Supplay ,erection & commissioning of Exhaust Blower. Following specifications, 7.5 Hp,1440 RpM 3Phase Induction Motor (ABB make) Centrifugal belt driven 50mm SS310 Shaft heavy duty 2Nos ball bearing, Motor & Blower Mounting frame 75x50 mm C Chanel, Implers & Outer body 310SS 5 mm Thick With Matching Flanges Air in let & out let Opening300mm,	Set

Previous		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate	Amount	Qty	Cost	
		90	2200.00	198000.00	90	198000.00	
		2500	84.00	210000.00	2500	210000.00	
		1250	86.00	107500.00	1250	107500.00	
		1250	102.00	127500.00	1250	127500.00	
		200	104.00	20800.00	200	20800.00	
		29	6200.00	179800.00	29	179800.00	
		26	5600.00	145600.00	26	145600.00	
		8	11600.00	92800.00	8	92800.00	
		15	3200.00	48000.00	15	48000.00	
		14	5200.00	72800.00	14	72800.00	
		2	6200.00	12400.00	2	12400.00	
		1	6800.00	6800.00	1	6800.00	
		13	4600.00	59800.00	13	59800.00	
		2	6200.00	12400.00	2	12400.00	
		50	280.00	14000.00	50	14000.00	
		12	1200.00	14400.00	12	14400.00	
		8	3800.00	30400.00	8	30400.00	
		18	2800.00	50400.00	18	50400.00	
		18	37000.00	666000.00	18	666000.00	
		1	80000.00	80000.00	1	80000.00	
		39	1500.00	58500.00	39	58500.00	
		30	80.00	2400.00	30	2400.00	
		1	120000.00	120000.00	1	120000.00	
		1	66000.00	66000.00	1	66000.00	
		1	70000.00	70000.00	1	70000.00	
		1	20000.00	20000.00	1	20000.00	
		1	472312.00	472312.00	1	472312.00	

28	Supplay & Erection of 1/2 Hp 3Phase 50 cycles 1440 RPM Flange Mounting Motor with Gear Out put 10 RPM	Set
29	**Scrubber work-** SS fabricated 304 sheet 3x3x3 feet 3mm thickness, water tank, using 40x40x5 mm iron L angle -30 mtrs SS flat:40x5 : 25 mtrs ; SS pipe 2: 6 mtrs; Gate valve 2;4 Nos; Elbow 2" : 8 Nos; 2" flange: 8 Nos; ¾" pipe: 12mtrs; ¾" flange: 8 Nos; ¾" Bend : 8 Nos Reducer ¾" 4 Nos Water pump 3 phase 1 HP 1 ½" x 1 ½": 2 Nos. (Momoblock pump), including of labour, diamantling erection and commission of all the above work.	Set
30	SS Fabrication 2 mm thick, 500 mm dia with flange. (blower to Chimney connecting pipe)	Rmtrs
31	SS Fabrication 2 mm thick, 250 mm dia with flange. (blower to Chimney exhausting pipe)	Rmtrs
32	SS fabrication 2 mm thick, 300 mm dia with flange. (by-pass lining work)	Rmtrs
33	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40-63 Amps SP	Nos
34	40-63Amps TPN	Nos
35	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.	Nos
36	Supplying, fixing and wiring 3 Phase Digital Ammeter /Voltmeter.	Nos
37	Supplying, fixing and wiring 1000/5A to 1600/5A 15VA Burden class 1 Current Transformer.	Nos
38	Supplying, fixing and wiring rotary selector switch suitable for Ammeter.	Nos
39	Supplying, fixing and wiring rotary selector switch suitable for Voltmeter.	Nos
40	Supplying and fixing HRC fuse units base on existing switch/panel board.up to 32Amps	Nos
41	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Mtrs
42	2.5 sqmm	Mtrs
43	16 sqmm	Mtrs
	Sub Total Rs	
	Add KRIDL Charges Rs 9.1%	
	Total Rs	
	Les 2% Towards scrap of Furnace No1. From item No 19 & 21 to 25 & 27 to 43 Amounting to Rs 2068820.00	
	Les 2% Towards scrap of Furnace No2. From item No 19 & 21 to 50 Amounting to Rs 2371151.00	
	Total Rs	

Certificate:-

Certify that the work has been carried out satisfatorily.

T.C.N. Babu
I/c EE

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

		1	49500.00	49500.00	1	49500.00	
		1	195000.00	195000.00	1	195000.00	
		5	29500.00	147500.00	5	147500.00	
		3	15600.00	46800.00	3	46800.00	
		6	21250.00	127500.00	6	127500.00	
		6	677.00	4062.00	6	4062.00	
		2	1936.00	3872.00	2	3872.00	
		3	442.00	1326.00	3	1326.00	
		6	1224.00	7344.00	6	7344.00	
		3	720.00	2160.00	3	2160.00	
		2	172.00	344.00	2	344.00	
		2	140.00	280.00	2	280.00	
		9	174.00	1566.00	9	1566.00	
		295	18.60	5487.00	295	5487.00	
		293	29.20	8555.60	293	8555.60	
		72	171.00	12312.00	72	12312.00	
				3572220.60		**3572220.60**	
				325072.07		**325072.07**	
				3897292.67		**3897292.67**	
				41376.40		41376.40	
				47423.02		47423.02	
				3808493.25		**3808493.25**	